

WHAT IS CLAIMED IS:

1. A device for applying a cosmetic product, the device comprising:
 - a receptacle configured to be closed so as to place the receptacle in at least a substantially sealed condition,
 - wherein the receptacle comprises a reservoir configured to contain the cosmetic product; and
 - an applicator for applying the cosmetic product,
 - wherein the applicator is configured to be contained in the receptacle,
 - wherein the device is configured so as to permit loading of the applicator with cosmetic product from the reservoir,
 - wherein the applicator comprises a porous structure,
 - wherein the device is configured such that the receptacle is configured to be unsealed from the at least substantially sealed condition so as to permit the applicator to be used for application of the cosmetic product, and to be returned to the at least substantially sealed condition with the applicator contained in the receptacle, and
 - wherein the porous structure comprises at least one biocidal agent.
 2. The device of claim 1, wherein, prior to moistening the porous structure, the biocidal agent is in a solid or concentrated state.

3. The device of claim 1, wherein the porous structure defines a surface, the porous structure being configured to be saturated with product on the surface only.
4. The device of claim 1, wherein the porous structure is hydrophilic.
5. The device of claim 1, wherein the biocidal agent comprises at least one of a bactericidal agent, a bacteriostatic agent, and an antifungal agent.
6. The device of claim 1, wherein the biocidal agent comprises at least one hydrosoluble biocidal agent.
7. The device of claim 1, wherein the biocidal agent comprises at least one liposoluble biocidal agent.
8. The device of claim 1, wherein the biocidal agent comprises metallic salts.
9. The device of claim 1, wherein the porous structure comprises one of a foam and a sponge, the porous structure being formed from one of polyurethane, polyester, polyether, natural rubber, synthetic rubber, butyl rubber, silicone rubber, nitrile rubber, and EPDM.

10. The device of claim 9, wherein the porous structure comprises at least 10% open cells.

11. The device of claim 1, wherein the porous structure comprises one of a foam and a sponge, the porous structure not being formed from materials selected from natural rubbers and synthetic rubbers.

12. The device of claim 1, wherein the biocidal agent comprises a composition comprising at least one quaternary ammonium compound, at least one phenolic compound, and at least one nitrogen-based heterocyclic compound.

13. The device of claim 12, wherein the composition comprises at least one quaternary ammonium compound, at least one isothiazolinone, and at least one orthophenylphenol.

14. The device of claim 12, wherein the biocidal agent comprises BYOTROL.

15. The device of claim 1, wherein the biocidal agent is less than about 5% by weight of the porous structure.

16. The device of claim 1, wherein the biocidal agent is more than about one and one-half percent by weight of the porous structure.

17. The device of claim 1, wherein the biocidal agent is from less than about 5% by weight of the porous structure to more than about one and one-half percent by weight of the porous structure.

18. The device of claim 1, wherein the biocidal agent is about 3% by weight of the porous structure.

19. The device of claim 1, wherein the device is configured so as to permit reloading of the applicator with cosmetic product from the reservoir.

20. The device of claim 1, wherein the device is configured such that when the applicator is contained in the receptacle between uses and the receptacle is placed in the at least substantially sealed condition, the porous structure is prevented from completely drying out between uses.

21. The device of claim 1, wherein the receptacle further comprises a closure element, and wherein the closure element is configured to be engaged with a portion of the receptacle so as to place the receptacle in the at least substantially sealed condition.

22. The device of claim 21, wherein the porous structure extends from the closure element.

23. The device of claim 21, wherein the receptacle defines a wall having at least one passage configured to provide flow communication from the reservoir to the porous structure when the closure element is engaged with the portion of receptacle.

24. The device of claim 21, wherein the porous structure extends from the portion of the receptacle.

25. The device of claim 24, wherein the receptacle defines a housing configured to receive the porous structure when the closure element is engaged with the portion of the receptacle.

26. A system for applying a cosmetic product, the system comprising:
the device of claim 1; and
a cosmetic product contained in the reservoir.

27. The system of claim 26, wherein the cosmetic product comprises a makeup product for being applied to at least one of skin, hair, and nails.

28. The system of claim 26, wherein the cosmetic product comprises at least one preservative, and

wherein a biocidal agent concentration by weight of the porous structure differs from a preservative concentration by weight of the cosmetic product.

29. The system of claim 26, wherein cosmetic product comprises at least one preservative and wherein the biocidal agent is different from the preservative.

30. A method of applying a cosmetic product, the method comprising providing the device of claim 1; loading the porous structure with cosmetic product; placing the porous structure in contact with a person so as to apply the cosmetic product; and

at least substantially sealing the porous member in the receptacle such that the porous member does not dry out between uses.

31. A device for applying a cosmetic product, the device comprising: a receptacle configured to be closed so as to place the receptacle in at least a substantially sealed condition,

wherein the receptacle comprises a reservoir configured to contain the cosmetic product; and

an applicator for applying the cosmetic product, the applicator comprising a porous structure, and
at least one biocidal agent,

wherein the applicator is configured to be loaded with cosmetic product from the reservoir,

wherein the applicator is configured to be placed in contact with at least one of skin, hair, and nails so as to apply the cosmetic product,

wherein the device is configured to permit the receptacle to be repeatedly placed in the at least substantially sealed condition with the applicator in the receptacle, and

wherein the device is configured so as to permit reloading of the applicator with cosmetic product from the reservoir following application of the cosmetic product.

32. The device of claim 31, wherein the at least one biocidal agent comprises a composition comprising at least one quaternary ammonium compound, at least one phenolic compound, and at least one nitrogen-based heterocyclic compound.

33. The device of claim 32, wherein the composition comprises at least one quaternary ammonium compound, at least one isothiazolinone, and at least one orthophenylphenol.

34. The device of claim 31, wherein the at least one biocidal agent comprises BYOTROL.

35. The device of claim 31, wherein the biocidal agent is less than about 5% by weight of the porous structure.

36. The device of claim 31, wherein the biocidal agent is more than about one and one-half percent by weight of the porous structure.

37. The device of claim 31, wherein the biocidal agent is from less than about 5% by weight of the porous structure to more than about one and one-half percent by weight of the porous structure.

38. The device of claim 31, wherein the at least one biocidal agent is about 3% by weight of the porous structure.

39. A method of applying a cosmetic product, the method comprising providing the device of claim 31; loading the porous structure with cosmetic product; placing the porous structure in contact with a person so as to apply the cosmetic product; and

at least substantially sealing the porous member in the receptacle such that the porous member does not dry out between uses.

40. A device for applying a cosmetic product, the device comprising:
a receptacle comprising a reservoir configured to contain the cosmetic
product;
an applicator for applying the cosmetic product, the applicator comprising a
porous structure, the porous structure being configured to be contained in the
receptacle between uses,
wherein the porous structure comprises at least one biocidal agent
comprising a composition comprising at least one quaternary ammonium compound,
at least one phenolic compound, and at least one nitrogen-based heterocyclic
compound.

41. The device of claim 40, wherein the composition comprises at least
one quaternary ammonium compound, at least one isothiazolinone, and at least one
orthophenylphenol.

42. The device of claim 40, wherein the at least one biocidal agent
comprises BYOTROL.

43. The device of claim 40, wherein the biocidal agent is less than about
5% by weight of the porous structure.

44. The device of claim 40, wherein the biocidal agent is more than about
one and one-half percent by weight of the porous structure.

45. The device of claim 40, wherein the biocidal agent is from less than about 5% by weight of the porous structure to more than about one and one-half percent by weight of the porous structure.

46. The device of claim 40, wherein the at least one biocidal agent is about 3% by weight of the porous structure.